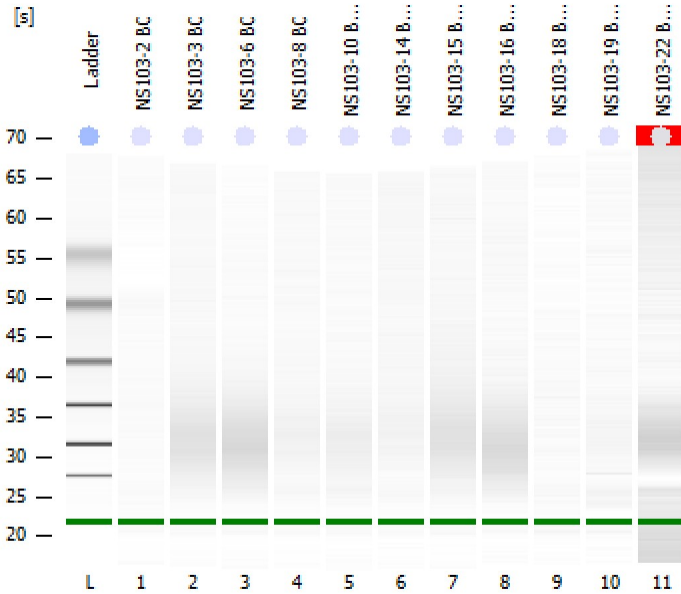


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
Modified: 1/16/2020 5:43:29 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

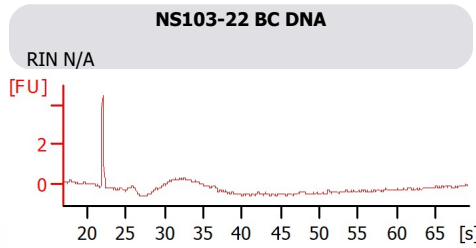
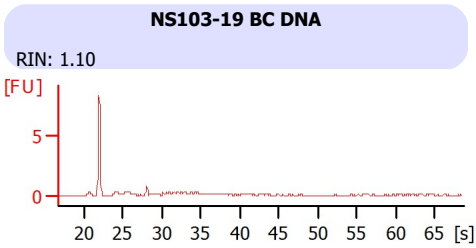
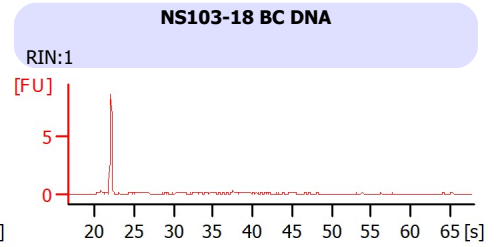
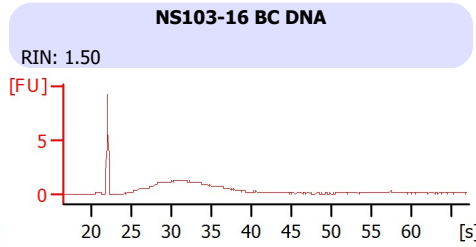
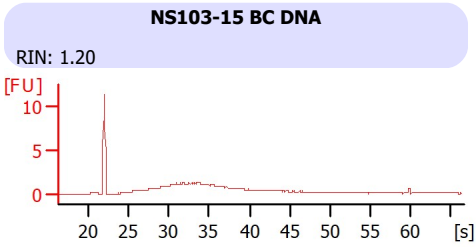
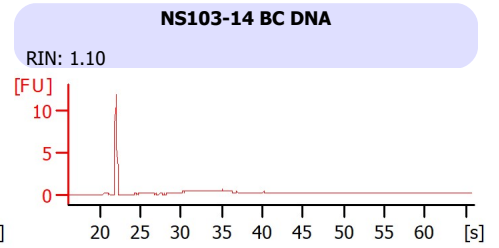
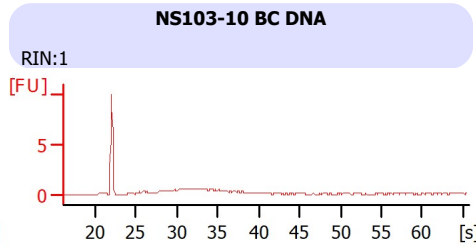
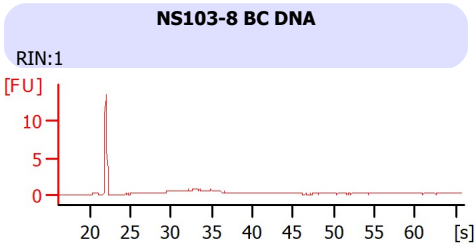
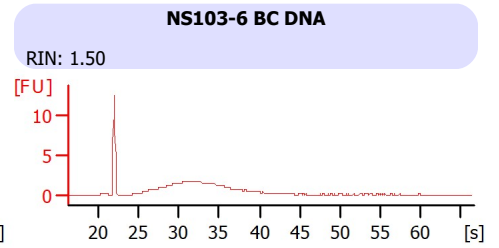
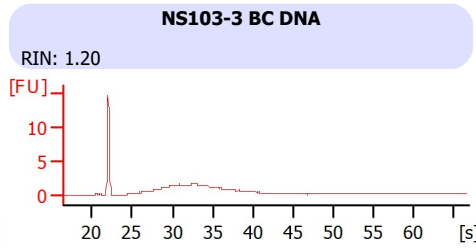
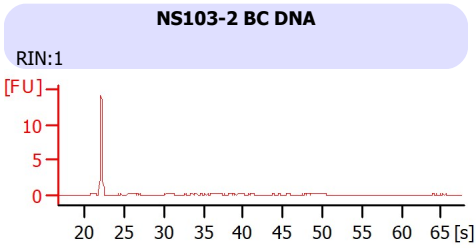
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
 Modified: 1/16/2020 5:43:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
NS103-2 BC DNA		✓	RIN:1	
NS103-3 BC DNA		✓	RIN: 1.20	
NS103-6 BC DNA		✓	RIN: 1.50	
NS103-8 BC DNA		✓	RIN:1	
NS103-10 BC DNA		✓	RIN:1	
NS103-14 BC DNA		✓	RIN: 1.10	
NS103-15 BC DNA		✓	RIN: 1.20	
NS103-16 BC DNA		✓	RIN: 1.50	
NS103-18 BC DNA		✓	RIN:1	
NS103-19 BC DNA		✓	RIN: 1.10	
NS103-22 BC DNA		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
 Modified: 1/16/2020 5:43:29 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
 Minimum Visible Range [s] : 17
 Maximum Visible Range [s] : 70
 Start Analysis Time Range [s] : 18
 End Analysis Time Range [s] : 69
 Ladder Concentration [pg/μl] : 1000
 Lower Marker Concentration [pg/μl] : 0
 Upper Marker Concentration [pg/μl] : 0
 Used Lower Marker for Quantitation
 Standard Curve Fit is Logarithmic
 Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
 Integration End Time [s] : 69
 Slope Threshold : 0.6
 Height Threshold [FU] : 0.5
 Area Threshold : 0.2
 Width Threshold [s] : 0.3
 Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

Ladder

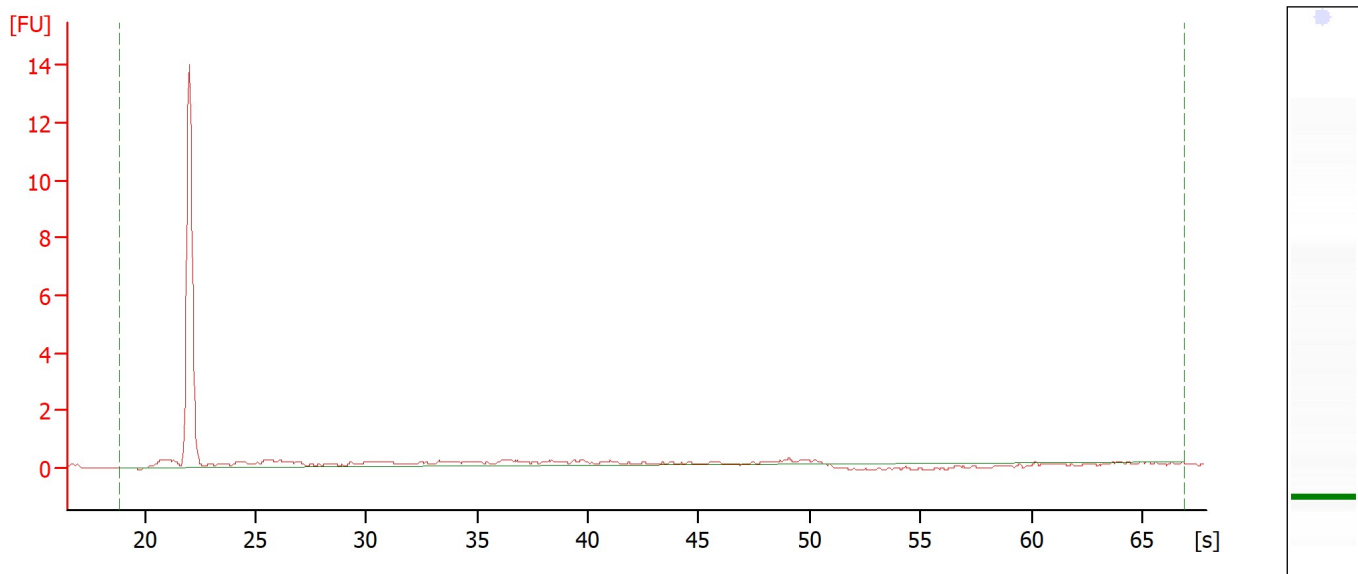
Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
 Modified: 1/16/2020 5:43:29 PM

Electropherogram Summary

NS103-2 BC DNA



Overall Results for sample 1 : NS103-2 BC DNA

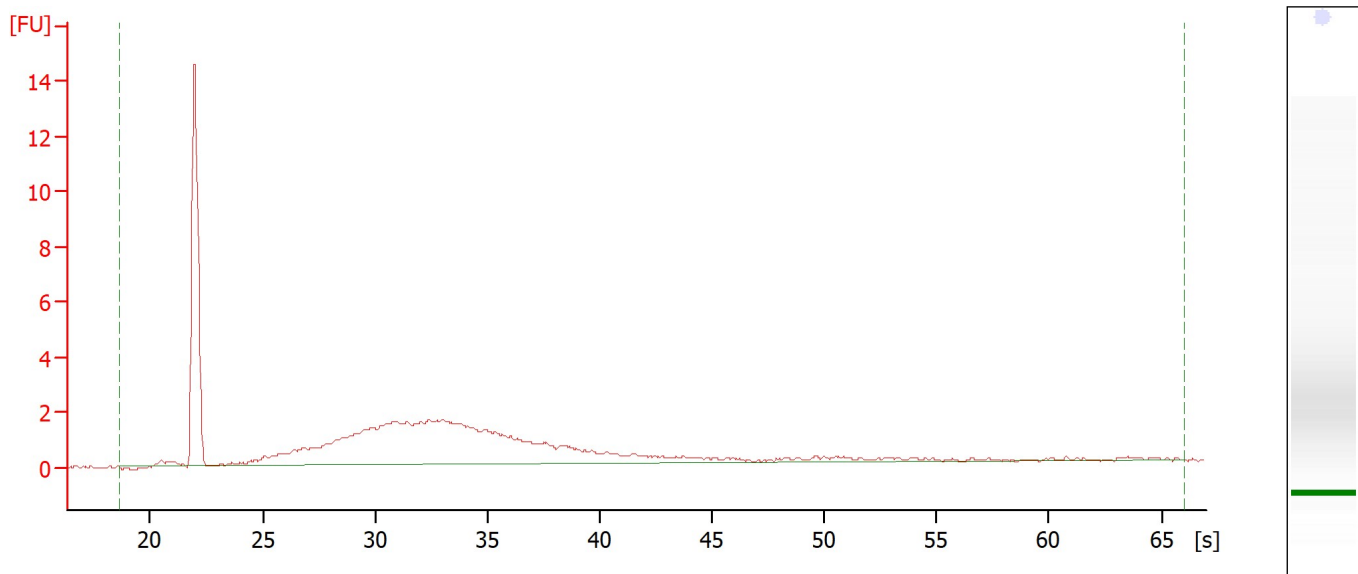
RNA Area:	10.2	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	43 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
 Modified: 1/16/2020 5:43:29 PM

Electropherogram Summary Continued ...

NS103-3 BC DNA



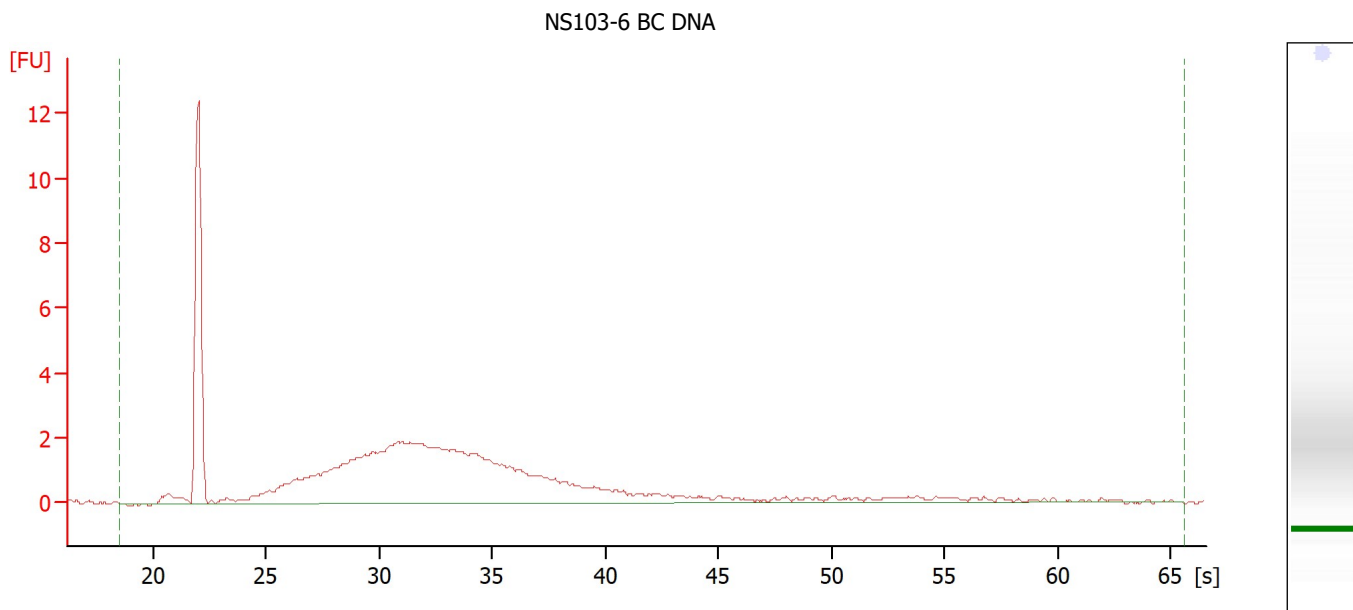
Overall Results for sample 2 : NS103-3 BC DNA

RNA Area:	53.7	RNA Integrity Number (RIN):	1.2 (B.02.10)
RNA Concentration:	229 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
 Modified: 1/16/2020 5:43:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : NS103-6 BC DNA

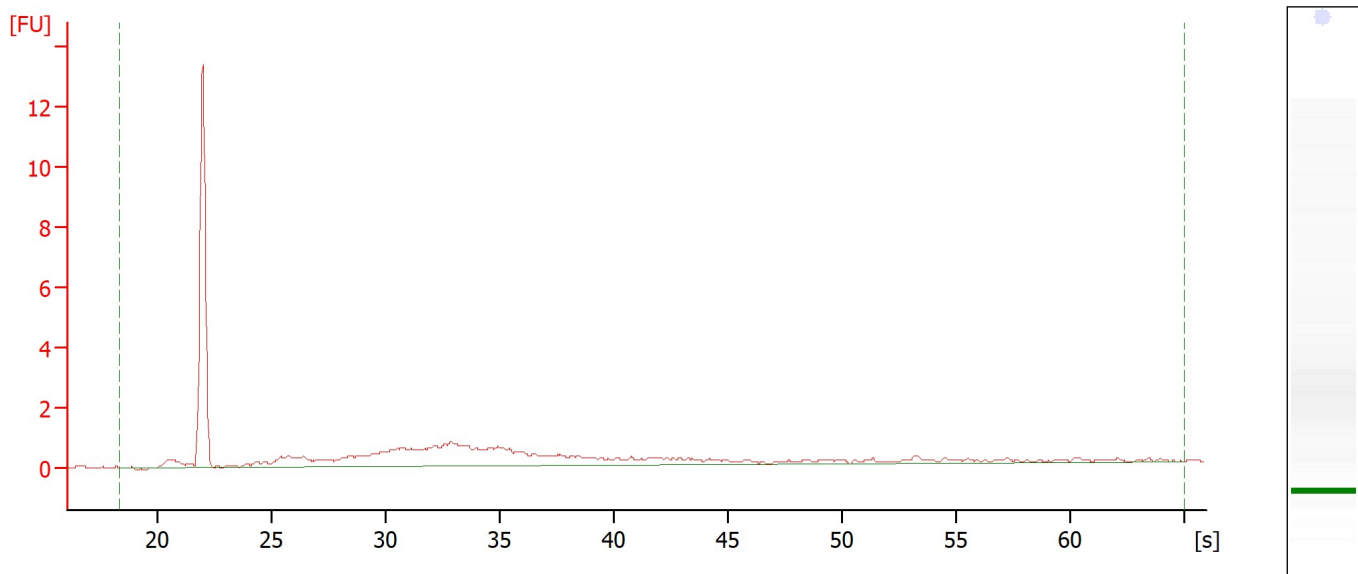
RNA Area:	64.2	RNA Integrity Number (RIN):	1.5 (B.02.10)
RNA Concentration:	274 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
Modified: 1/16/2020 5:43:29 PM

Electropherogram Summary Continued ...

NS103-8 BC DNA



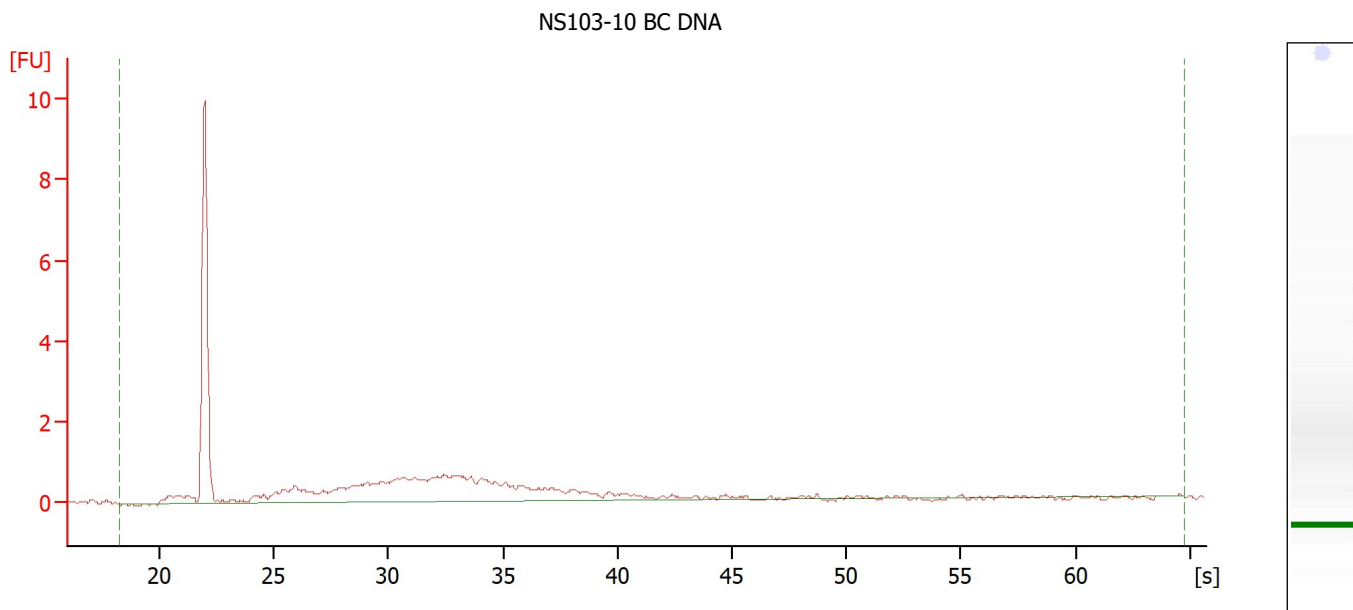
Overall Results for sample 4 : NS103-8 BC DNA

RNA Area:	24.7	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	105 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
 Modified: 1/16/2020 5:43:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : NS103-10 BC DNA

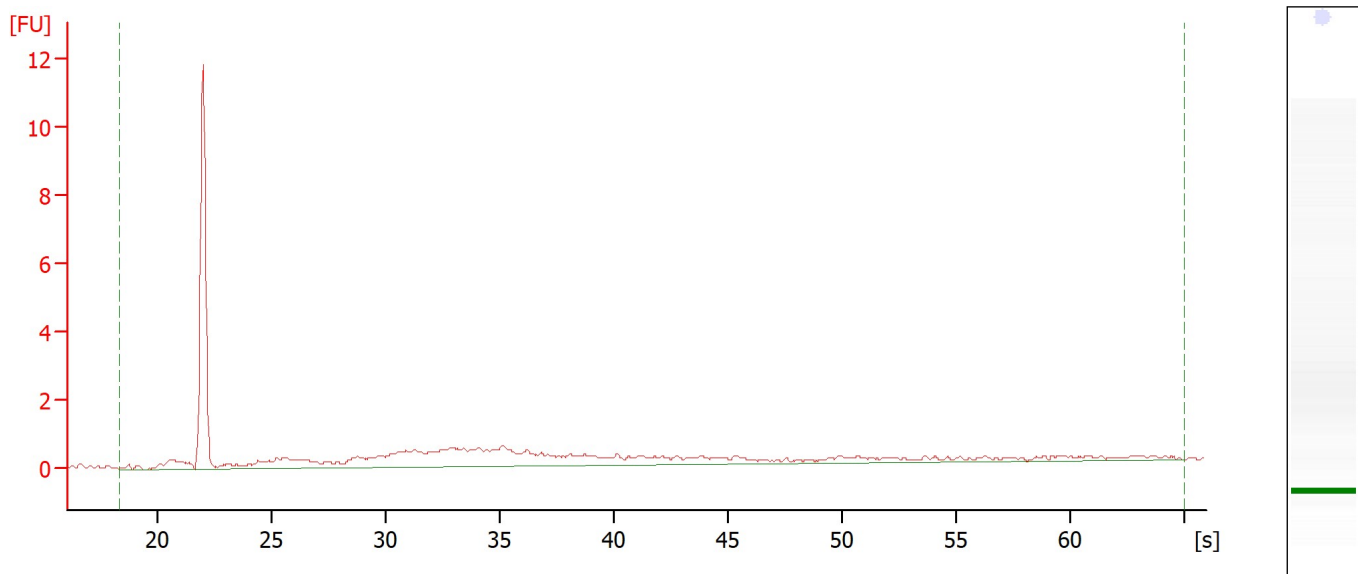
RNA Area:	23.2	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	99 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
 Modified: 1/16/2020 5:43:29 PM

Electropherogram Summary Continued ...

NS103-14 BC DNA



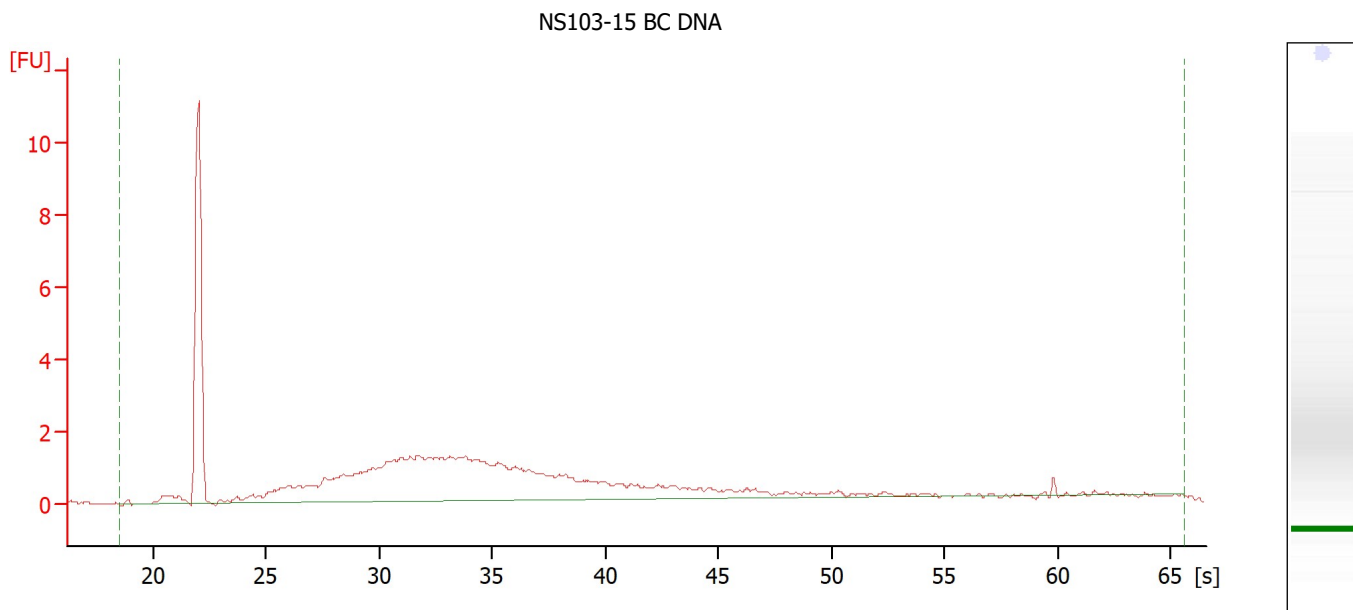
Overall Results for sample 6 : NS103-14 BC DNA

RNA Area:	23.7	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	101 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
 Modified: 1/16/2020 5:43:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : NS103-15 BC DNA

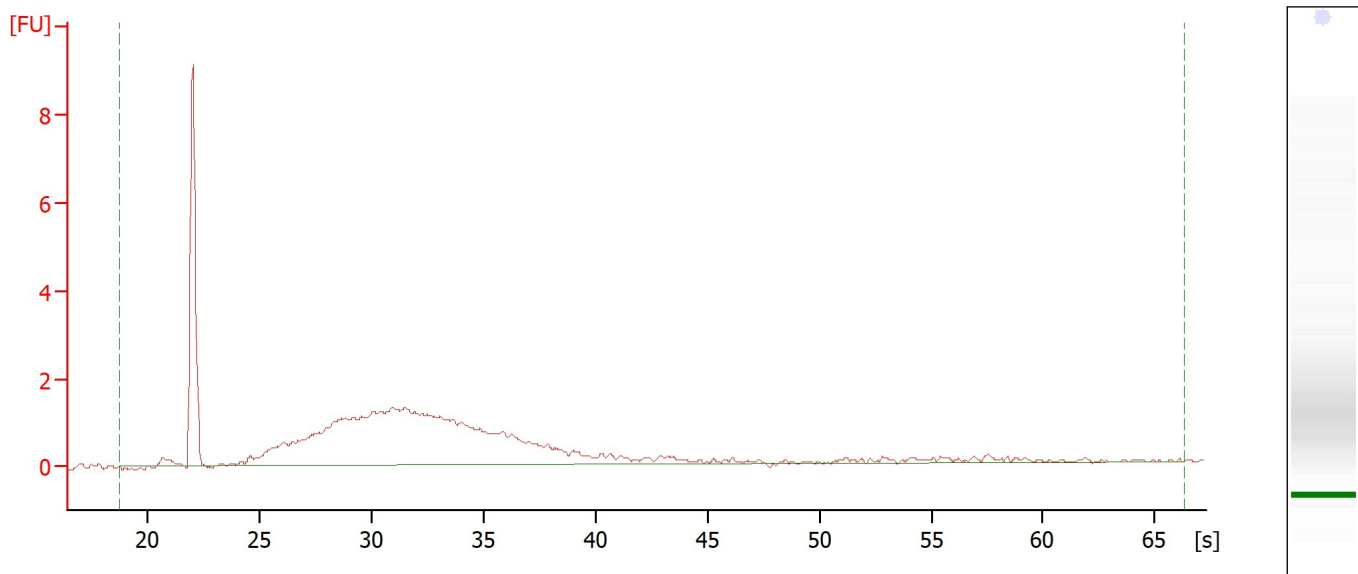
RNA Area:	46.5	RNA Integrity Number (RIN):	1.2 (B.02.10)
RNA Concentration:	198 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
Modified: 1/16/2020 5:43:29 PM

Electropherogram Summary Continued ...

NS103-16 BC DNA



Overall Results for sample 8 : NS103-16 BC DNA

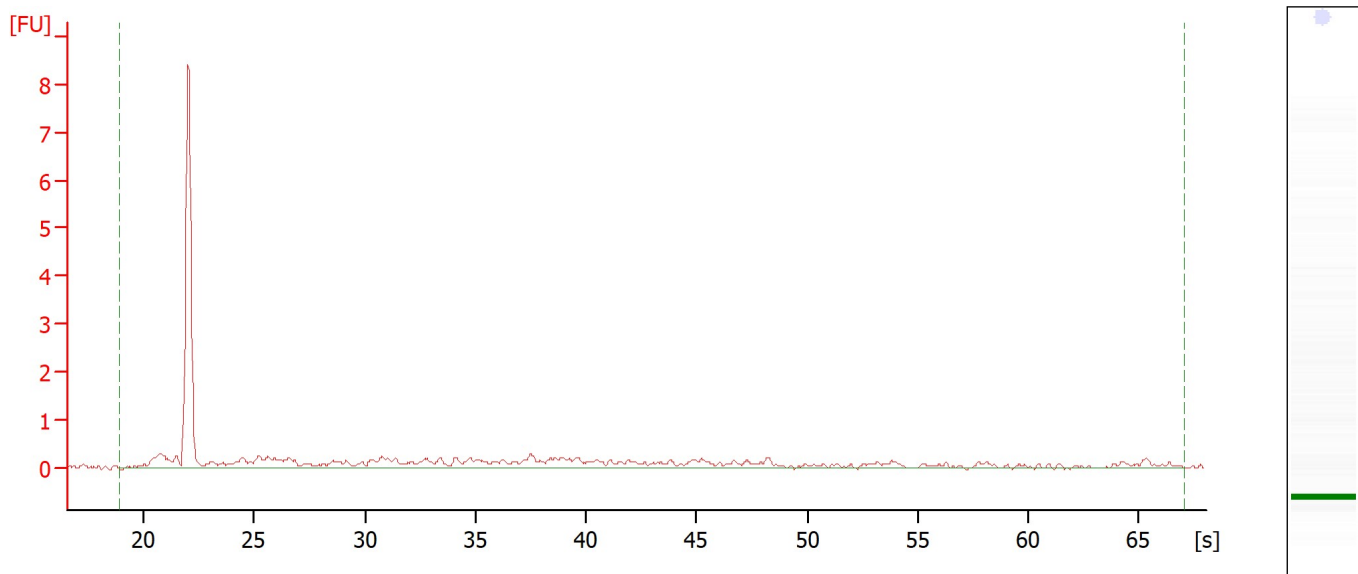
RNA Area:	41.3	RNA Integrity Number (RIN):	1.5 (B.02.10)
RNA Concentration:	176 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
Modified: 1/16/2020 5:43:29 PM

Electropherogram Summary Continued ...

NS103-18 BC DNA



Overall Results for sample 9 : NS103-18 BC DNA

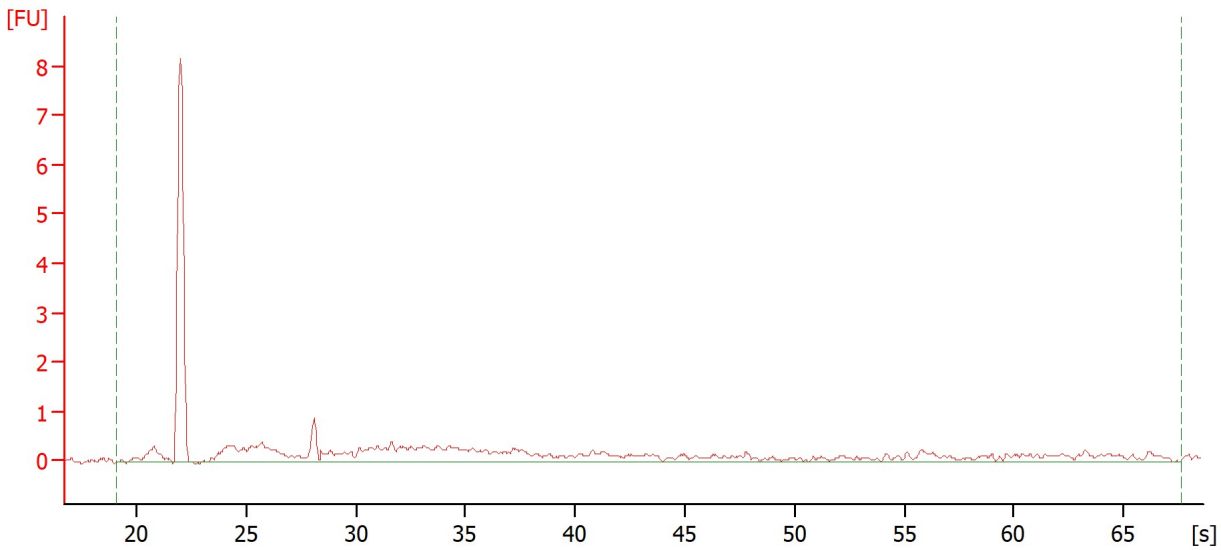
RNA Area:	13.2	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	56 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
Modified: 1/16/2020 5:43:29 PM

Electropherogram Summary Continued ...

NS103-19 BC DNA



Overall Results for sample 10 : NS103-19 BC DNA

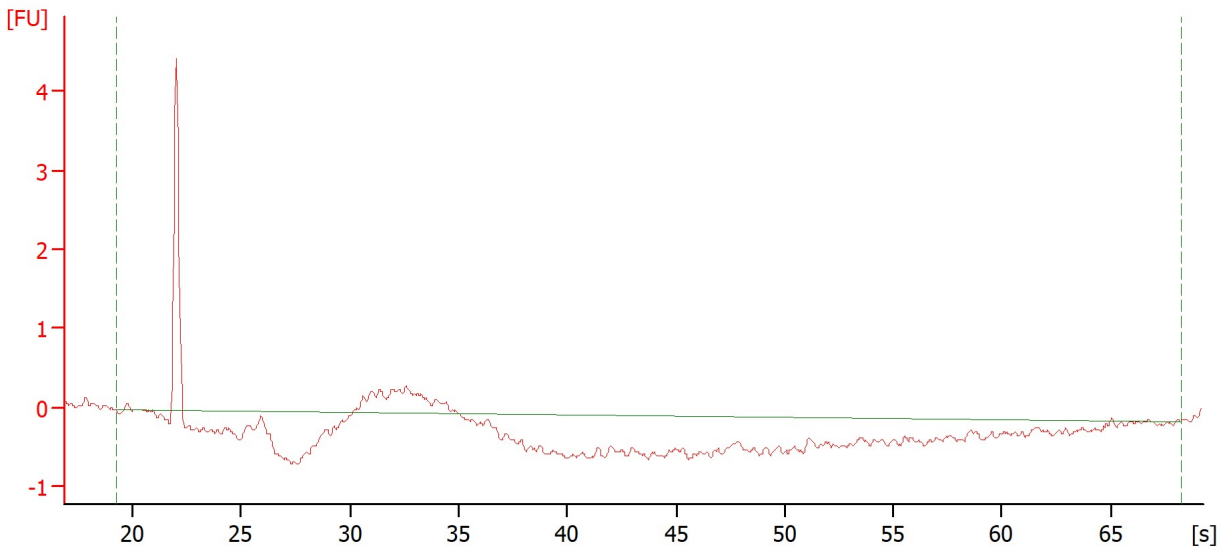
RNA Area:	17.5	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	75 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad


Created: 1/16/2020 5:09:44 PM
Modified: 1/16/2020 5:43:29 PM

Electropherogram Summary Continued ...

NS103-22 BC DNA



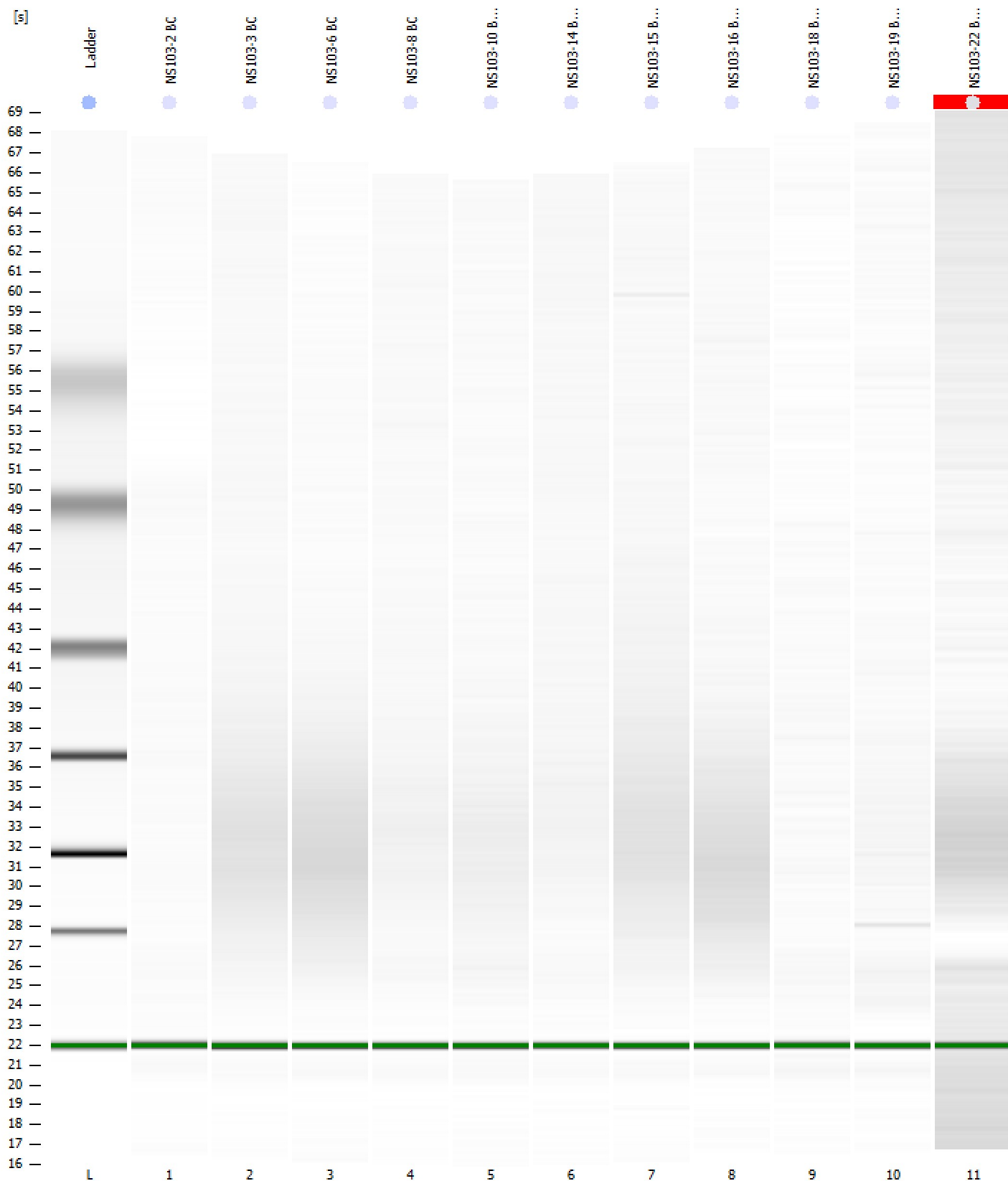
Overall Results for sample 11 : NS103-22 BC DNA

RNA Area:	2.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	12 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
Modified: 1/16/2020 5:43:29 PM

Gel Image

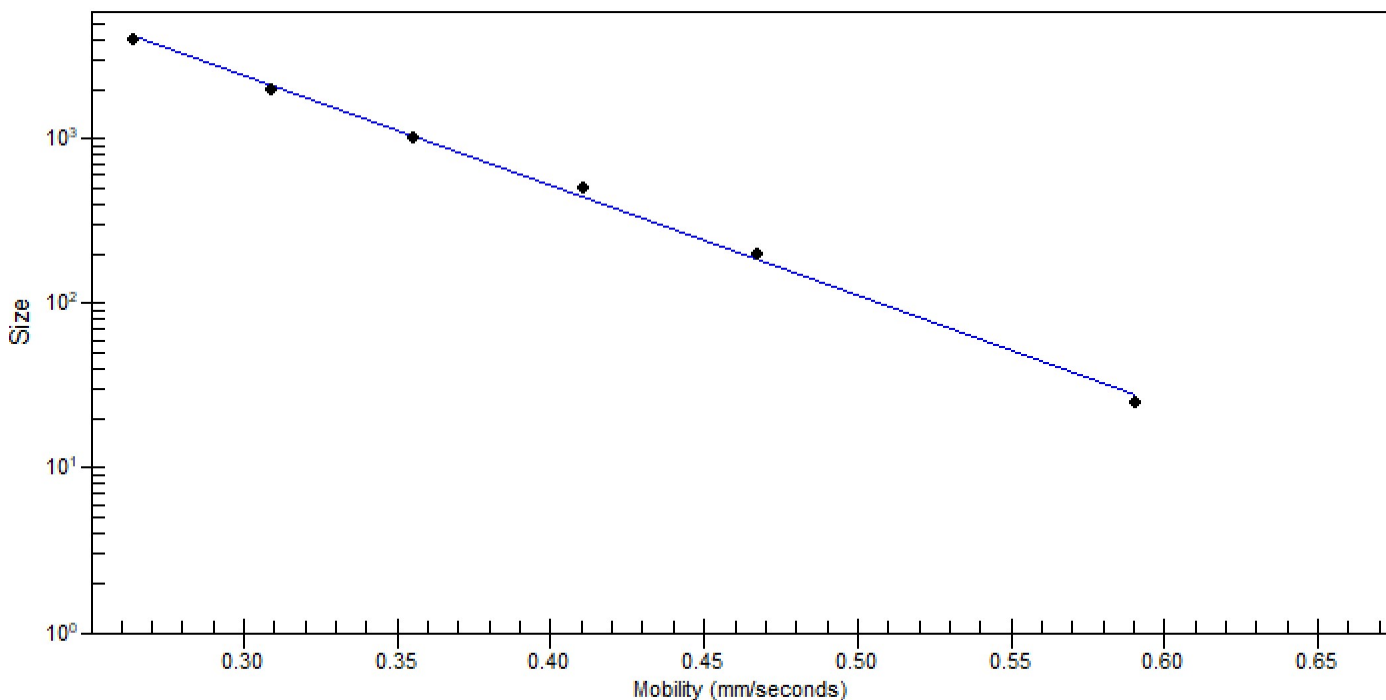


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad

Created: 1/16/2020 5:09:44 PM
Modified: 1/16/2020 5:43:29 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico Created: 1/16/2020 5:09:44 PM
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Pico_2020-01-16_002.xad Modified: 1/16/2020 5:43:29 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		1/16/2020 5:32:42 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-01-16\Bioanalyze r1_Eukaryote Total RNA Pico_2020-01-16_002.xad)		Instrument	Run		1/16/2020 5:09:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/16/2020 5:09:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/16/2020 5:09:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/16/2020 5:09:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/16/2020 5:09:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/16/2020 5:09:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/16/2020 5:09:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB